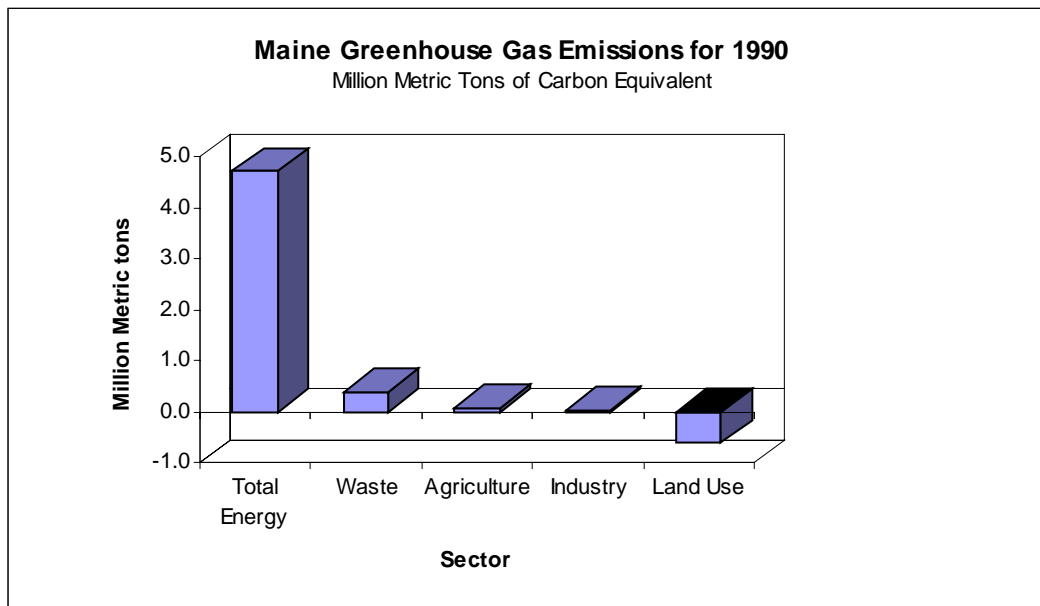


MAINE GREENHOUSE GAS EMISSIONS AND SINKS INVENTORY: SUMMARY



This report provides a detailed inventory of greenhouse gas emissions and sinks for Maine in 1990. Emissions were estimated using methods from EPA's 1995 guidance document ***State Workbook: Methodologies for Estimating Greenhouse Gas Emissions***. In 1990, Maine emitted 4.6 million metric tons of carbon equivalent (MMTCE). Maine estimated emissions of 2.4 MMTCE from biomass fuels and from sources not included in the workbook.¹ Emissions from these sources are not included in the reported total or the table below.

The principal greenhouse gas was carbon dioxide, comprising 15.3 million metric tons. Other emissions included 0.1 million metric tons of methane (0.4 MMTCE) and 86 metric tons of nitrous oxide (0.01 MMTCE).

The major source of carbon dioxide emissions was fossil fuel combustion (99%), with minor emissions from cement production. Carbon dioxide sinks (timber stock and other forest resources) offset about 13% of the total carbon dioxide emissions. Contributors to methane emissions were landfills (86%), domesticated animals (11%), and manure management (2.5%). Nitrous oxide emissions were accounted for by fertilizer use.

Maine emissions in 1990 were 4.7 MTCE per capita, compared to 1990 U.S. emissions of 6.4 MTCE per capita.

¹ These include methane emissions from fossil fuels, methane from landfilling of sludge, and emissions from wetlands conversion.

Maine Greenhouse Gas Emissions for 1990

SECTOR	CO ₂ (MMTCE)	Methane (MMTCE)	Nitrous Oxide (MMTCE)	PFCs (MMTCE)	Total GHG Emissions (MMTCE)
Energy - Residential	0.7	*	*	*	0.7
Energy - Commercial	0.4	*	*	*	0.4
Energy - Industrial	0.9	*	*	*	0.9
Energy - Transport	2.2	*	*	*	2.2
Energy - Utility	0.5	*	*	*	0.5
Total Energy	4.7	*	*	*	4.7
Waste	*	0.4	*	*	0.4
Agriculture	*	0.1	0.01	*	0.1
Industry	0.04	*	*	*	0.04
Land Use	-0.6	*	*	*	-0.6
Total	4.2	0.4	0.01	*	4.6

All emissions are reported in million metric tons of carbon equivalent (MMTCE).

An asterisk (*) indicates that emissions of the gas from this sector were zero, insignificant, or not reported.

Emissions from biofuel combustion are excluded.